AMENDMENTS TO THE CLAIMS

The following claim set replaces all prior versions of the claims.

- 1. (Canceled)
- 2. (Withdrawn) A method for detecting milk allergens wherein a monoclonal antibody recognizing native milk allergens and a monoclonal antibody recognizing denatured milk allergens are used in combination.
- 3. (Canceled)
- 4. (Withdrawn) The method for detecting milk allergens according to claim 2, wherein the monoclonal antibody recognizing native milk allergens and/or denatured milk allergens is an anti-αs1 casein monoclonal antibody.
- 5. (Withdrawn) The method for detecting milk allergens according to claim 4, wherein the anti-αs1 casein monoclonal antibody recognizes a native αs1 casein, an urea-treated αs1 casein, a native sodium casein and a denatured sodium casein.
- 6. (Canceled)
- 7. (Withdrawn) The method for detecting milk allergens according to claim 4, wherein the anti
 αs1 casein monoclonal antibody is the anti-αs1 casein monoclonal antibody Pas1CN1 produced
 by hybridoma (FERM ABP-10263) and/or the anti-αs1 casein monoclonal antibody Pas1CN2

 produced by hybridoma (FERM ABP-10264).
- 8. (Canceled)

- Docket No.: 31671-235624
- 9. (Withdrawn)The method for detecting milk allergens according to claim 2, wherein the monoclonal antibody recognizing native milk allergens and/or denatured milk allergens is an anti-β-lactoglobulin monoclonal antibody.
- 10. (Withdrawn) The method for detecting milk allergens according to claim 9, wherein the anti- β -lactoglobulin monoclonal antibody recognizes a native β -lactoglobulin, an urea-treated β -lactoglobulin, and a reduced-carboxymethylated β -lactoglobulin.
- 11. (Withdrawn previously presented) The method for detecting milk allergens according to claim 9, wherein the anti- β -lactoglobulin monoclonal antibody is the anti- β -lactoglobulin monoclonal antibody P β GL1 produced by hybridoma (FERM ABP-10281) and/or the anti- β -lactoglobulin monoclonal antibody P β GL2 produced by hybridoma (FERM ABP-10282) and/or the anti- β -lactoglobulin monoclonal antibody P β GL3 produced by hybridoma (FERM ABP-10283).

12. (Canceled)

13. (Withdrawn) The method for detecting milk allergens according to claim 2, wherein a casein and/or a whey protein is extracted with the use of urea and 2-mercaptoethanol from a sample.

14-102. (Canceled)

- 103. (Currently amended) A method for detecting albumen allergens in a sample by sandwich ELISA, which method comprises the following steps (a) to (c):
- (a) preparing an immune complex by allowing an albumen allergen in the sample to contact a first anti-native ovalbumin monoclonal antibody recognizing a native ovalbumin, bound to an insolubilized carrier, and a first anti-reduced carboxymethylated ovalbumin monoclonal antibody recognizing a denatured ovalbumin, bound to the <u>same</u> insolubilized carrier;
- (b) preparing a labeled immune complex by allowing the immune complex prepared in step (a) to contact a labeled second anti-native ovalbumin monoclonal antibody recognizing a

native ovalbumin and a labeled second anti-reduced carboxymethylated ovalbumin monoclonal antibody recognizing a denatured ovalbumin, wherein the second monoclonal antibody recognizing a native ovalbumin recognizes a different epitope of native ovalbumin than the epitope recognized by the first monoclonal antibody recognizing a native ovalbumin, and the second monoclonal antibody recognizing a denatured ovalbumin recognizes a different epitope of denatured ovalbumin than the epitope recognized by the first monoclonal antibody recognizing denatured ovalbumin; and

- (c) detecting native and denatured albumen allergen in the sample by detecting the labeled immune complex prepared in step (b).
- 104. (Previously presented) A method for detecting albumen allergens in a sample by immunochromatography, which method comprises the following steps (a) to (c):
- (a) preparing an antigen-antibody complex by allowing an albumen allergen in the sample to contact a first anti-native ovalbumin monoclonal antibody recognizing a native ovalbumin and a first anti-reduced carboxymethylated ovalbumin monoclonal antibody recognizing a denatured ovalbumin, wherein each of the first monoclonal antibodies is labeled with gold colloid;
 - (b) allowing the antigen-antibody complex to move on a test strip by capillary action; and
- (c) detecting native and denatured albumen allergen in the sample by the presence or absence of a colored line appearing on the test strip by a trapping of the antigen-antibody complex by a second anti-native ovalbumin monoclonal antibody recognizing a native ovalbumin and a second anti-reduced carboxymethylated ovalbumin monoclonal antibody recognizing a denatured ovalbumin, wherein the second monoclonal antibody recognizing a native ovalbumin recognizes a different epitope of native ovalbumin than the epitope recognized by the first monoclonal antibody recognizing a native ovalbumin, and the second monoclonal antibody recognizing a denatured ovalbumin recognizes a different epitope of denatured ovalbumin than the epitope recognized by the first monoclonal antibody recognizing denatured ovalbumin, and the second monoclonal antibodies are fixed in advance at a given position on the test strip.

Docket No.: 31671-235624

105. (Previously presented) The method for detecting albumen allergens according to claim 103, wherein

the anti-ovalbumin monoclonal antibodies recognizing a native ovalbumin are the anti-ovalbumin monoclonal antibody PNOA1 produced by the hybridoma of Accession No: FERM BP-10265 and the anti-ovalbumin monoclonal antibody PNOA2 produced by the hybridoma of Accession No: FERM BP-10266; and

the anti-ovalbumin monoclonal antibodies recognizing a reduced carboxymethylated ovalbumin are the anti-ovalbumin monoclonal antibody PDOA1 produced by the hybridoma of Accession No: FERM BP-10275 and the anti-ovalbumin monoclonal antibody PDOA2 produced by the hybridoma of Accession No: FERM BP-10276.

106. (Withdrawn) A method for detecting flour allergens, wherein an anti-flour gliadin monoclonal antibody recognizing a native flour gliadin and a flour gliadin solubilized with a denaturant is used.

107. (Withdrawn) The method for detecting flour allergens according to claim 106, wherein the anti-flour gliadin monoclonal antibody recognizes a native flour gliadin, a reduced-carboxymethylated flour gliadin, a flour gliadin solubilized with 0.1 M acetate, a flour gliadin solubilized with 70% ethanol, and a flour gliadin solubilized with a denaturant.

108. (Withdrawn) A method for detecting buckwheat allergens, wherein an anti-buckwheat crude protein monoclonal antibody recognizing a native buckwheat crude protein and a heat-denatured buckwheat crude protein is used.

109. (Withdrawn) The method for detecting buckwheat allergens according to claim 108, wherein the anti-buckwheat crude protein monoclonal antibody recognizes a 24Da protein and a heat-denatured buckwheat crude protein, or an anti-buckwheat crude protein monoclonal antibody recognizing a 76kDa protein and a native buckwheat crude protein.

Docket No.: 31671-235624

110. (Withdrawn) A method for detecting peanut allergens, wherein an anti-Ara h1 protein monoclonal antibody recognizing a native peanut Ara h1 protein and a heat-denatured peanut Ara h1 protein is used.

111. (Withdrawn) The method for detecting peanut allergens according to claim 110, wherein the anti-Ara h1 protein monoclonal antibody recognizes a native Ara h1 protein and a native peanut crude protein, and/or an urea-treated Ara h1 protein and an urea-treated peanut crude protein.

112. (Previously presented) The method for detecting albumen allergens according to claim 104, wherein

the anti-ovalbumin monoclonal antibodies recognizing a native ovalbumin are the anti-ovalbumin monoclonal antibody PNOA1 produced by the hybridoma of Accession No: FERM BP-10265 and the anti-ovalbumin monoclonal antibody PNOA2 produced by the hybridoma of Accession No: FERM BP-10266; and

the anti-ovalbumin monoclonal antibodies recognizing a reduced carboxymethylated ovalbumin are the anti-ovalbumin monoclonal antibody PDOA1 produced by the hybridoma of Accession No: FERM BP-10275 and the anti-ovalbumin monoclonal antibody PDOA2 produced by the hybridoma of Accession No: FERM BP-10276.